Appli	icable	e sta	ndard											
Operating				10Fa0 (N	. 4\	Storage			1000 1	0000 (1)				
			temperature range			l ·			ature range		-10°C to + 60°C (No			3)
Ra	iting	Operating humidity range Applicable connector 2			20% to 80% (Note		e 2)	Storage			40% to 70% (N		ote 3)	
				ector 2	20	DF60A-2S-10. 16C		(2) humidity Current			· ·	LE 3/		
		, apriloable com		2010. <u>/ 2 \</u>			Voltage		` '		45 A 1000V AC/DC			
		1			BI GO TOOTN									
Rat			ed voltage		Rated current		Overvoltage category IF		IP-	- degree				
			DOV AC/DC		65A(At ambient temp. 25°C)(No					_				
L			DOV AC/DC		See above (*1) (Temp. rise up 30		°CMAX)							
TÜV 600V AC			OV AC/DO)				IP00			
						Spe	cifica	tions	3					
	Ite	em				Test method				R	equirements		QT	АТ
Cons	struction	on		•							-			
General examination			Visually and by measuring instrument.				According to drawing.				Х	Х		
Marking			Confirmed visually.								X	Х		
Elect	tric ch	arac	teristics	<u> </u>					I				<u> </u>	
	t resista				MAX, 1A				2mΩ MAX.					
Millivolt	t level m	ethod												_
Insulat	tion res	sistan	ce	1000V DC.					1000	MΩ MIN.			Х	_
Voltag	Voltage proof			3000V AC for 1 min.					No flashover or breakdown.				Х	_
Mech	nanica	al cha	aracteris	stics									1	
	anical o				es inser	tions and extractions			① Contact resistance: 2mΩ MAX.					
				3.000					② No damage, crack or looseness of parts.				Χ	_
Vibration									① No electrical discontinuity of 1µs.				.,	
				of 98 m/s², at 2 h, for 3 directions.					② No damage, crack or looseness of parts.				X	_
Shock			490 m/s ² duration of pulse 11 ms at 3 times for 3 directions.				 No electrical discontinuity of 1μs. N o damage, crack or looseness of parts. 				Х	_		
Envir	ronme	ental	charact	eristics					_	<u> </u>	· · · · · · · · · · · · · · · · · · ·		1	
Damp					at 40	± 2 °c, 90 to 95 %, 9	96 h.		① Cor	tact resista	nce: 2mΩ MAX.			
(Steady state)			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				_		tance: 1000MΩ MIN.		X	_		
									3 No c	lamage, crack	or looseness of parts.			
Rapid change of			Temperature -55°C→ +85°C					① Contact resistance: $2m\Omega$ MAX.				Х		
tempe	temperature			Time 30min→ 30min Under 25 cycles.					② Insulation resistance: 1000MΩ MIN.				_ ^	_
				(The transferring time of the tank is 2-3 min)					③ No damage, crack or looseness of parts					
			(After leaving the room temperature for 1-2h.)											
Dry heat			Exposed at 105 ± 2°C, 250h					① Contact resistance: $2m\Omega$ MAX.				Х	_	
			(After leaving the room temperature for 1-2h.)					 ② Insulation resistance: 1000MΩ MIN. ③ No damage, crack or looseness of parts 						
D				©0.11.1					_			- t' f		
Resistance to soldering heat			①Solder bath method /2 Solder temperature : 260°C for					Such as impaired function ,no deformation of case of excessive looseness of the terminals.				Х	_	
ricat				Immersion,duration: 10 sec.					2					
				②Manual soldering										
			Soldering iron temperature : 350±10°C											
				Solderin	-									
				strength on contact. ered at solder temperature,				Solder shall cover a minimum of				Х	<u> </u>	
245°c					c for insertion duration, 5sec.			95 % of the surface being immersed.				^		
Remai		the ter	mnerature i	rising by cu	rrent									
	No cond		-											
				-	-	r unused products before								
<i>'</i>	After mo	unted	on pcb, op	erating tem	perature	and humidity range is a	pplied for i	interim st	orage du	ring transpor	tation.			
	Count Descripti		ion of revisions Design			gned		Checked			Date			
\triangle	4	<u> </u>		TS. MI	YAKI	I SZ. ONO			20191022					
Unles	s othe	erwise	e specifi	d, refer t						Approve	1	MA	2015	
										Checked		IMA	2015	0602

TS. KUMAZAWA

TS. KUMAZAWA

DF60-2P-10. 16DS (45)

CL680-3016-4-45

ELC-342144-45-00

Designed Drawn

Drawing no.

Part no.

Code no.

20150602

20150602

1/2

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

Specification sheet

Hirose electric co., ltd.

(Note 4)Derating curve takes manufacturing tolerances into consideration as well as uncertainties in temperature measurement and the measuring set up and is derived from the basic curve multiplied by 0.8 calculation.

(Note 5) Indicates the current that corresponds to the RTI value (temperature at which performance is halved) of the resin when the ambient temperature is 25°C. 2

The value of rated current differs depending on the ambient temperature.

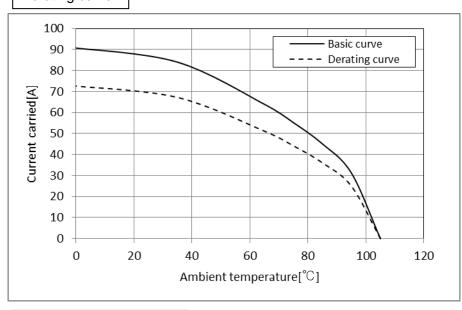
It is recommended to use the product within the derating curve zone.

(Note 6) Measurement method of derating curve is shown below.

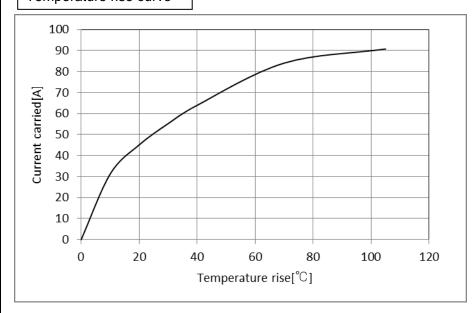
- Test specimen:Unused DF60-2P-10.16DS(27).
 Unused DF60-2S-10.16C
 - Unused DF60-8SCFA
- Test cable spec:AWG 8
- Test condition: Turn on electricity under the static state and measure. (Test report # TR680E-20766)

[Reference]

Derating curve



Temperature rise curve



Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	Drawin	g no.	ELC-342144-45-00		
HS.	Specification sheet	Part no.		F60-2P-10. 16DS (45)		
	Hirose electric co., ltd.	Code no.	CL680	0-3016-4-45	Δ	2/2